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RCRA code 1 in 6/15 Med
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Def 10-2886

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

140 7570024177

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

SCOTT AIR FORCE BASE

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

375 ABG/DEEV

03 CITY

BELLEVILLE

04 STATE

IL

05 ZIP CODE

62225

06 COUNTY

ST CLAIR

07 COUNTY CODE

163

08 CONG DIST

21

09 COORDINATES LATITUDE

38 32 02.0

LONGITUDE

089 51 33.0

LEBONON (7.5 MIN) QUAD.

10 DIRECTIONS TO SITE (Starting from nearest public road)

ROUTE 4 SOUTH TO ROUTE 161 WEST TO ROUTE 158 NORTH INTO
MAIN BASE AREA. BUILDING 540 & YARD ADJACENT TO BUILDING 59

III. RESPONSIBLE PARTIES

01 OWNER (If known)

U.S. AIR FORCE

02 STREET (Business, mailing, residential)

375 ABG/DEEV

03 CITY

BELLEVILLE

04 STATE

IL

05 ZIP CODE

62225

06 TELEPHONE NUMBER

618 256-4764

07 OPERATOR (If known and different from owner)

SCOTT AIR FORCE BASE

08 STREET (Business, mailing, residential)

375 ABG/DEEV

09 CITY

BELLEVILLE

10 STATE

IL

11 ZIP CODE

62225

12 TELEPHONE NUMBER

618 256-4764

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE☒ B. FEDERAL:

AIR FORCE (MAC)

☐ C. STATE☐ D. COUNTY☐ E. MUNICIPAL☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001

DATE RECEIVED: 12/16/85

MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c)

DATE RECEIVED: / /

MONTH DAY YEAR

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES

DATE

12/04/81

☐ NO

3/25-26/86

BY (Check all that apply)

☒ A. EPA☐ B. EPA CONTRACTOR☒ C. STATE☐ D. OTHER CONTRACTOR☐ E. LOCAL HEALTH OFFICIAL☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☒ A. ACTIVE☐ B. INACTIVE☐ C. UNKNOWN

03 YEARS OF OPERATION

1980

BEGINNING YEAR

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

OILY WASTES (PCB'S) - (TOXIC, PERSISTENT)
SLUDGES - (TOXIC, PERSISTENT)
SOLVENTS - (TOXIC, PERSISTENT, VOLATILE)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

GROUNDWATER (POPULATION, ENVIRONMENT)
SURFACE WATER (POPULATION, ENVIRONMENT)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☒ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

MARK D. EVERETT

02 OF (Agency/Organization)

SCOTT AFB -

CHIEF ENG & ENVIRON. PLANNING BR.

03 TELEPHONE NUMBER

618 256-4764

04 PERSON RESPONSIBLE FOR ASSESSMENT

KENNETH W. CORKILL

05 AGENCY

IEPA

06 ORGANIZATION

RPMS

07 TELEPHONE NUMBER

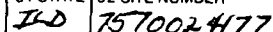
217 782-6761

08 DATE

10/3/86

MONTH DAY YEAR

000335 DP

[illegible]



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 7570024177

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1000 04 NARRATIVE DESCRIPTION

ANY WASTE LEAKED OR SPILLED ONTO THE GROUND HAS THE POTENTIAL TO ENTER THE AREAS GROUND WATER SYSTEM. ONLY THE HOMES OUTSIDE OF THE BASE WOULD BE AFFECTED, AS BASE WATER IS SUPPLIED BY ILLINOIS AMERKAN WATER CO., EAST ST. LOUIS FACILITY.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

NO SURFACE WATER INTAKES WITHIN 2 MILES
DRAINAGE DRUMS STORED IN AQUA YARD (BLOC 59) ARE SURROUNDED BY BERM, YARD HAS A DISCHARGE VALVE TO DRAIN RAIN WATER. IF A DRUM LEAKS OR A SPILL OCCURED THE RELEASE OF RAINWATER COULD ALSO CONTAIN CONTAMINANTS WHICH WOULD ENTER A SURFACE WATER CHANNEL.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 9000 04 NARRATIVE DESCRIPTION

THE WASTE SOLVENTS PRESENT HAVE THE NECESSARY PROPERTIES TO IGNITE IF THE RIGHT CONDITIONS COME ABOUT.

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 1/2 - 1 (Acres) 04 NARRATIVE DESCRIPTION

AS DRUMS ARE STORED OUTSIDE OF BUILDING 59, THERE EXISTS THE POTENTIAL OF LEAKS & SPILLS WHICH COULD CONTAMINATE THE SOIL

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1000 04 NARRATIVE DESCRIPTION

SAME AS "A" GROUND WATER

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL 7570024177

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES

(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: 9000

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

THERE IS ALWAYS THE POSSIBILITY THAT A DRUM COULD SPILL OR LEAK.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 9000

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

IEPA - LAND FILES
IEPA - PUBLIC WATER SUPPLIES
IEPA - WATER FILES

EXECUTIVE SUMMARY

Scott Air Force Base is located about 10 miles east of Belleville, Illinois and is currently active. The areas of concern focus on building 540 and the Aqua Yard (building 59), which have been indicated to have started storing waste in July 1980 and continue to do so to date. The owner and responsible party is the United States government Department of the Air Force.

The Air Force Base occupies approximately 2500 acres which covers all or part of Sections 9, 10, 11, 14, 15 and 16 in St. Clair County. The on-base sites of concern occupy about one to two acres each in the NE 1/4 of Section 15. The site of building 540 is in the SE 1/4, NW 1/4, NE 1/4 of Section 15 Township 1 North, Range 7 West. The site of the Aqua Yard is in the SE 1/4, SW 1/4, NE 1/4 of Section 15 Township 1 North, Range 7 West.

Scott Air Force Base serves as the host base for the headquarters of the Military Airlift Command (MAC), Air Force Communications Command and the 375 Aeromedical Airlift Wing which is the operation flying unit based at Scott A.F.B. As a result, the base conducts a variety of military missions as well as conducting other aircraft flights, maintenance, supply, transportation and base support functions.

General waste analysis for this facility in the past has been completed at Brooks AFB in San Antonio, Texas. Various hazardous wastes were at one time, shipped to Chemical Waste Management in Emille, Alabama after service contracts had been drawn up and approved.

Currently, the following departments/areas generate or accumulate hazardous substances:

Building 540
PCB Waste

Building 59 (Aqua Yard) - Liquid Fuels Maintenance
RCRA Hazardous Waste Storage Area

Building 441 - Fabrication Shop & Plating Shop
ethylene chloride/Methyl chloride
thinners and paints
solvent (PD680-stoddard solvent)
thinner dopes
M.E.K.
(Electroplating shop closed down - cadmium electroplating sludge was generated for one time disposal)

Building 53 - Allied Trade Shop (Vehicle Maintenance)
Paint Booth Sludge
PD680

Building 433 - Hanger #1 Maintenance Shop
PD680
Hydraulic Fluid (recycled)

Building 506 Hanger #3 Maintenance Shop (Wheel and tire shop)

PD680

Solvents

trichloroethane (TCE)

Building 514 - Exterior Electric Shop

PCB's

Building 515 - Civil Engineering Grounds Maintenance (Small Engine Repair)

Waste Oils (recycled)

Solvents

Building 532 - Civil Engineering Paint Shop

Waste Paint

Solvents (not recycled)

Building 1197 - Golf Course Maintenance

(Small engine repair)

Waste Oil

Building 700 - Base Printing Plant

photo developer (within self-contained unit)

generates approximately 30 gal/year

Building 1530 - USAF Medical Center

Waste xylene

Building 3290 - Sewage Treatment Plant

WWTP Sludge land application

There have been no reports of any problems in these areas

Various inspections noted a variety of violations particularly management of the container storage area in that some of the storage drums had small holes punched into their tops to act as pressure releases and if the drums tipped waste would spill out. In addition the following were noted: a discharge valve on the Aqua Yard storage pad opens to drain rain water which could contain contaminants; design capacities in the drum storage area were exceeded on the Part "A" application; failure to develop and follow a written waste analysis plan; failure to develop a general inspection format; failure to develop/document personnel training for persons (military & civilians) handling hazardous waste, etc. Many violations have been resolved, the remainder will be resolved within an informal (flexible) time frame. Also noted was that no emergency situations have occurred at the facility, however, jet fuel spills have occurred on occasion but there is no documentation as to when and exactly where these spills took place.

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Based on the information available this author recommends a medium priority. Although the base seems to have a relatively clean bill of health, there are numerous areas where problems could be present. An investigation of a number of the waste accumulation or generation points should be completed.

KC:jmm/4000H/65-67

T. 2 N.

T. 1 N.

306 1/3 SW
(O FALLON)

Unit A Sch

Golf Course

PIPELINE

SCOTT AIR FORCE BASE

SCOTT AIR FORCE BASE

SOUTHERN

SHILOH VALLEY

Shiloh Valley
Grange

Trailer
Park

(161)

Ash

Creek

21
BM

Mine

412

SCOTT AFB

(POTENTIAL PERSONS AFFECTED)

<u>WITHIN</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	<u>PERSONS</u>
1 MILE	* TRAILERS ON BASE	106	371
	* HOMES ON BASE	33	116
	HOMES OFF BASE	29	102
2 MILES	* OFFICERS HOMES ON BASE	1148	4018
	* NCO HOMES ON BASE	1200	4200
	HOMES OFF BASE	54	189
3 MILES	{ HOMES OFF BASE	200	<u>700</u>
			9696 use
			9700

PLUS ADDED OFF BASE WORKERS

COMING ON BASE DAILY + 300

USE 10,000

* BASE WATER IS SUPPLIED BY ILLINOIS AMERICAN WATER CO.
EAST ST. LOUIS FACILITY.

